

Substitute for form 1448/PTO, based on PTO/SB/08A and 08B

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

Application Number	09/990.087
Filing Date	11/20/2001
First Named Inventor	Sligar et al.
Art Unit	1646
Examiner Name	R. Li
Attorney Docket Number	87-00

GWS 12/22/2004

FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No. ¹	Foreign Patent Document Number (include WIPO country code)	Publication Date (MM-DD-YYYY)	Name	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear (or entire document unless noted otherwise)	T ²
RLi	1	WO 93/17031	09/02/1993	Camobell et al.		
RLi	2	WO 00/75187	12/14/2000	Gullberg		

NON-PATENT LITERATURE DOCUMENTS

Examiner Initial*	Cite No. ¹	REFERENCE Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
RLi	3	Bakker, E.P. and Caplan, S.R. (1982), "Phospholipid Substitution of the Purple Membrane," <i>Methods in Enzymol.</i> 88:26-30	
	4	Bayburt, T.H. et al., (Dec. 2002) "Self-Assembly of Discoidal Phospholipid Bilayer Nanoparticles with Membrane Scaffold Proteins"; <i>Nano Letters</i> 2:853-856.	
	5	Bayburt, T.H. et al., (May 2002) "Single Molecule Height Measurements on Microsomal Cytochrome P450 in nanometer-Scale Phospholipid Bilayer Disks"; <i>Proceedings of the National Academy of Sciences</i> 99:6725-6730.	
	6	Bayburt, T.H. et al. (Nov. 2003) "Self-Assembly of Single Integral Membrane Proteins into Soluble Nanoscale Phospholipid Bilayers"; <i>Protein Science</i> 12:2476-2481.	
	7	Bayley, H. et al. (1982), "Delipidation, Renaturation, and Reconstitution of Bacteriorhodopsin," <i>Methods Enzymol.</i> 88:74-81	
	8	Brouillette, C. et al., (2001), "Structural models of human apolipoprotein A-I: a critical analysis and review," <i>Biochim. Biophys. Acta</i> 1531:4-46	
	9	Carlson, J.W. et al., (1997) "Imaging and Manipulation of High-Density Lipoproteins," <i>Biophysical J.</i> 73:1184-1189.	
	10	Carlson, J.W. et al. (Dec.2000) "Nanopatterning Phospholipid Bilayers"; <i>Langmuir</i> 16:3927-3931.	
	11	Chen, J.S. et al., (2002) "Amino Acids in SRS1 and SRS6 are Critical for Furanocoumarin Metabolism by CYP6B1v1, a Cytochrome P450 Monooxygenase," <i>Insect Molecular Biology</i> 11:175-186.	
	12	Civjan, N.R. et al., (2003) "Direct Solubilization of Heterologously Expressed Membrane Proteins by Incorporation into Nanoscale Lipid Bilayers"; <i>BioTechniques</i> 35:556-563.	
	13	Dencher, N.A. and Heyn, M.P. (1982) "Preparation and Properties of Monomeric Bacteriorhodopsin," <i>Methods Enzymol.</i> 88:5-10.	
RLi	14	Denisov, I.G., et al. (March 2004) "Directed Self Assembly of Monodisperse	
Examiner Signature	Rui Liang Li		Date Considered 12/16/2005

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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²Applicant is to place a check mark here or "x" if English language Translation is attached.

Substitute for form 1449/PTO, based on PTO/SB/08A and 08B

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Examiner Initial*	Cite No. ¹	REFERENCE Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Phospholipid Bilayer Nanodiscs with Controlled Size"; <i>J. Am. Chem. Soc.</i> , In Press.	
RLi	15	Duan, et al. (2004) "Co-incorporation of Heterologously-Expressed <i>Arabidopsis</i> Cytochrome P450 and P450 Reductase into Soluble Nanoscale Lipid Bilayers"; <i>Archives Biochemistry and Biophysics</i> , In Press.	
	16	Dubois et al. (Jun. 2001) "Self-Assembly or Regular Hollow Icosahedra in Salt-Free Catanionic Solutions," <i>Nature</i> 411:672-675	
	17	Heyn, M.P. et al. (1982) "Reconstitution of Monomeric Bacteriorhodopsin into Phospholipid Vesicles;" <i>Methods Enzymol.</i> 88:31-35	
	18	Imaoka, S. et al., (1992), "Role of Phospholipids in Reconstituted Cytochrome P450 3A Form and Mechanism of Their Activation of Catalytic Activity," <i>Biochemistry</i> 31:6063-6069.	
	19	Korenbrot, J.I. (1982), "The Assembly of Bacteriorhodopsin-Containing Planar Membranes by the Sequential Transfer of Air-Water Interface Films," <i>Methods Enzymol.</i> 88:45-55	
	20	Marheineke, K. et al., (1998), "Lipid composition of <i>Spodoptera frugiperda</i> (Sf9) and <i>Trichoplusia ni</i> (Tn) insect cells used for baculovirus infection," <i>FEBS Letters</i> 441:49-52.	
	21	McGregor, C-L. (Feb 2003), "Lipopeptide detergents designed for the structural study of membrane proteins," <i>Nature Biotechnol.</i> 21:171-176	
	22	Rezaie et al. (1992), "Expression and Purification of a Soluble Tissue Factor Fusion Protein with an Epitope for an Unusual Calcium-Dependent Antibody," <i>Protein Expression and Purification</i> 3:453-460.	
	23	Savelli, G. et al. (2000), "Enzyme activity and stability control by amphiphilic self-organizing systems in aqueous solutions," <i>Curr. Opin. Colloid & Interface Science</i> 5:111-117.	
	24	Shaw, A.W. et al., (Jan. 2004) "Phospholipid Phase Transitions in Homogeneous Nanometer Scale Bilayer Discs"; <i>FEBS Letters</i> 556:260-264.	
	25	Skulachev, V.P. (1982), "A Single Turnover Study of Photoelectric Current-Generating Proteins," <i>Methods Enzymol.</i> 88:35-45	
RLi	26	Sligar, S. (2003) "Finding a Single-Molecule Solution for Membrane Proteins"; <i>Biochem. Biophys. Res. Comm.</i> 312:115-119.	

Examiner Signature	Ruixiang Li	Date Considered	12/6/2005
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